

SUPPLEMENTARY MACHINE SERVICE BULLETIN NO. 36C

SUBJECT: Start and Stop Switch for 1A & 2A
and 1AA & 2AA Series Machines

DATE: April 15, 1927

TO ALL OFFICES:

We are releasing herewith the above bulletin consisting of two sheets which supplies you with a wiring chart and information on installing the new stop and start switch with special motor for the 1A and 2A and 1AA and 2AA series Monroe machines. This mechanism is not to be installed in any OA-series machines.

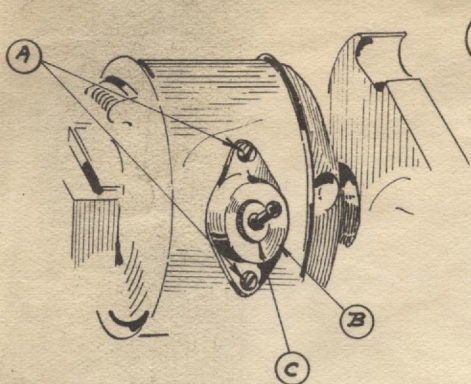
It is a very simple matter by following these instructions to convert machines equipped with direct current motors into this style and the same motors may be used. In the case of alternating current motors, however, these will have to be supplied as they are made especially for this feature.

A temporary parts list covering this feature follows:

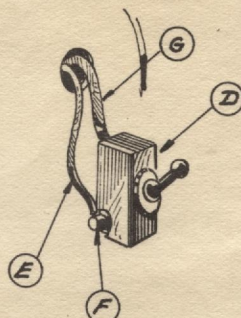
| Assem. No. | Name | Quan. per Machine |
|-----------------|---|-------------------|
| 7-97 | Automatic switch with cable, plug, etc. (For 1-A and 2-A series) | 1 |
| 7-98 | Contact point and blade for automatic switch | 2 |
| 12-60 | Machine locator arm. Complete | 1 |
| 12-97 | Automatic switch with cable, plug, etc. (For 1-AA & 2-AA series) | 1 |
| <u>Part No.</u> | | |
| 3 | #6-40 Screw for socket holder | 1 |
| 58 | Washer for #953 screw | 1 |
| 720 | Motor Switch Cover | 1 |
| 793 | New alternating current motor (Special) | 1 |
| 894 | Socket and plug. Complete <i>894 1/2 socket</i> | 1 |
| 895 | Rubber grummet | 1 |
| 896 | Contact point for automatic switch | 2 |
| 897 | Insulating fibre strip for automatic switch | 2 |
| 898 | Insulating fibre spacer " " " | 1 |
| 908 | Holder for socket and plug | 1 |
| 909 | Supporting strip for automatic switch cable | 3 |
| 935 | Insulating fibre bushing for automatic switch | 2 |
| 936 | Insulating fibre bushing on 12-60 | 1 |
| 953 | Screw for automatic switch | 2 |
| 954 | Screw to hold switch to side frame | 1 |
| 955 | Operating stud for automatic switch in 12-60 | 1 |
| 999 | Cable between plug and automatic switch (For 1-A and 2-A series) | 1 |
| 999 1/4 | Cable between motor switch and socket | 1 |
| 1199 | Cable between plug and automatic switch (For 1-AA & 2-AA series) | 1 |
| 1389 | Nut for #953 screw | 2 |

J. M. Smith
General Service Manager.

SUPPLEMENTARY BULLETIN No. 36-C 1-A 2-A 1AA-2AA SER. MACHINES
NOTES ON ATTACHING THE START AND STOP SWITCH WITH SPECIAL MOTOR AND CONNECTIONS.

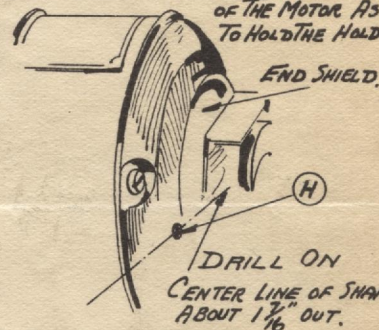


- 1 REMOVE SCREWS (A) AND TAKE SWITCH BOX (B) FROM MOTOR. UNSCREW NUT (C) AND WITHDRAW SWITCHING MECHANISM (D)

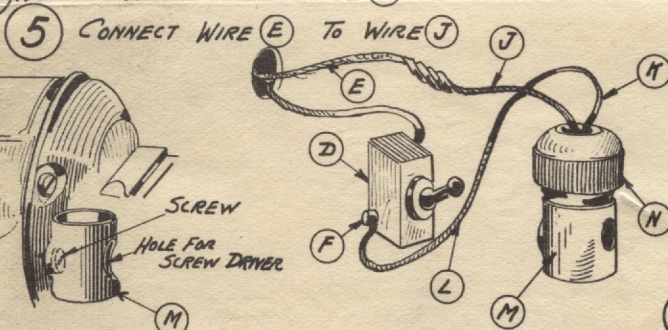


- 2 REMOVE WIRE (E) FROM TERMINAL (F) [WIRE (G) IS NOT REMOVED]

- 3 DRILL AND TAP HOLE (H) INTO THE END SHIELD OF THE MOTOR AS SHOWN. TO HOLD THE HOLDING SLEEVE.



- 4 ATTACH THE HOLDING SLEEVE (M) TO THE END SHIELD



- 6 CONNECT WIRE (L) TO TERMINAL (F)

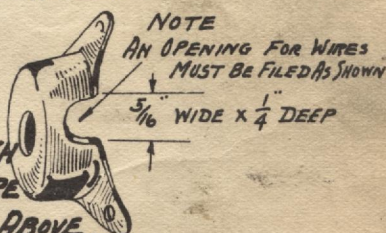
- 7 INSERT SOCKET (N) INTO HOLDING SLEEVE (M)

- 8 INSERT THE SWITCHING MECHANISM INTO SWITCH BOX (B) WITH WIRES ATTACHED

- 9 ATTACH THE SWITCH BOX TO MOTOR.

— NOTE —

THE ABOVE INSTRUCTIONS APPLY ONLY WHEN IT IS DESIRED TO ATTACH THE START AND STOP SWITCH TO A D.C. MOTOR IN THE FIELD. A.C. MOTORS ARE SPECIAL AND WILL BE SENT OUT EQUIPPED AS ABOVE.

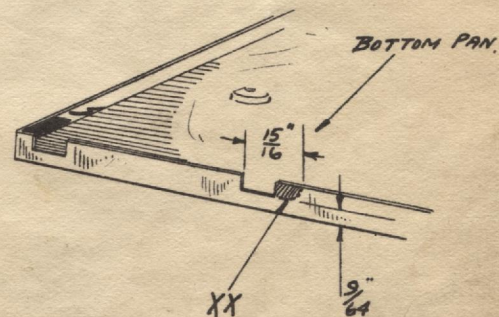
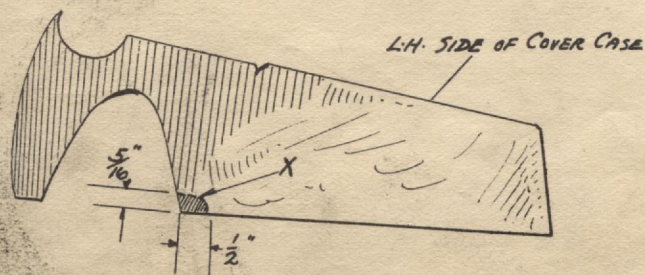


THE COVER CASE AND THE BOTTOM PAN MUST BE FILED TO ALLOW THE INSERTION OF THE RUBBER BUSHING AT (P). THE DIMENSIONS OF THIS FILING ARE SHOWN BELOW.

- 21 REMOVE COVER CASE

- 22 REMOVE BOTTOM PAN

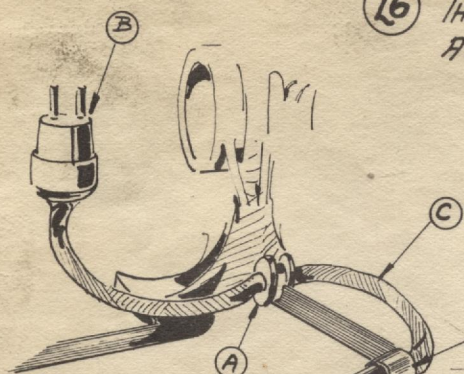
- 23 FILE AS SHOWN AT X AND XX



(24) ASSEMBLE THE BOTTOM PAN TO MACHINE

(25) INSERT RUBBER BUSHING (A) AS SHOWN [ATTACHED TO CORD]

(26) THREAD THE CORD AS SHOWN AROUND EDGE OF THE BOTTOM PAN. ATTACH THE CLIPS (D) (E) (F)



(27) REMOVE SCREW (G)

—NOTE—

A NEW SCREW No 954 IS SUPPLIED. THIS SCREW IS INSERTED INTO HOLE (H) AND SERVES TO HOLD ASSEMBLY (K) TO FRAME.

—IMPORTANT—

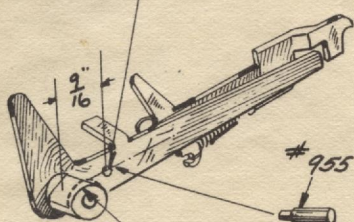
MAINTAIN A $\frac{1}{32}$ " CLEARANCE BETWEEN THESE POINTS.

—NOTE—

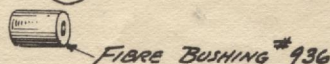
THE BOTTOM PAN OF THE KAA SERIES MACHINES IS AS SHOWN. ON THE KA -1 AND 2 SERIES MACHINES THE BOTTOM PANS ARE STRAIGHT. THE CORD FOLLOWS THE STRAIGHT EDGE AND THE USE OF THE CLIPS IS THE SAME.

(28) REMOVE MACHINE LOCATOR ARM #7-60A FOR 1A & 2A SERIES — #12-60 FOR 1AA & 2AA SERIES.

DRILL A HOLE WITH #42 DRILL [.093"] AND INSERT AND RIVET STUD #955 TO THE INNER SIDE OF BLANK.

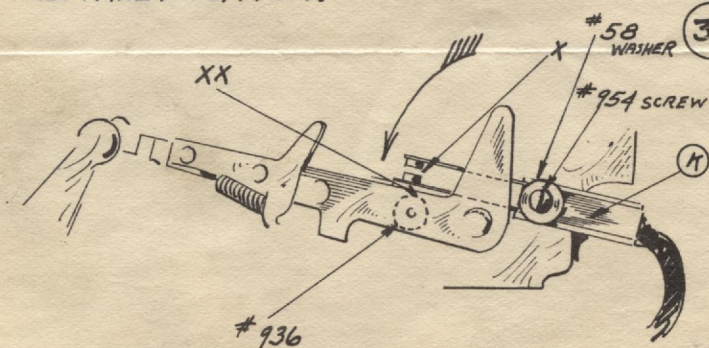


(29) DRIVE FIBRE BUSHING #936 UPON STUD #955



(30) FILE THE HUB AS SHOWN $\frac{1}{32}$ " DEEP AT THE TOP

(31) INSERT THE MACHINE LOCATOR ARM AGAIN INTO THE MACHINE AND SEE THAT IT IS IN THE NEUTRAL POSITION.



(32) INSERT SCREW #954 AND WASHER #58 LOOSELY. PLUG (B) MAY NOW BE CONNECTED AND THE SWITCH ON THE MOTOR TURNED ON, TO ALLOW THE CURRENT TO PASS TO THE CONTACT POINTS FOR THE FINAL ADJUSTMENT OF THE START AND STOP SWITCH (K) — MOVE SWITCH (K) IN DIRECTION OF ARROW UNTIL LOWER CONTACT ARM STRIKES FIBRE BUSHING #936 AND JUST CLOSE GAP X WHICH WILL CAUSE MOTOR TO START. MOVE SWITCH (K) APPROXIMATELY $\frac{1}{64}$ FURTHER TO ALLOW FOR WEAR, AFTER WHICH TIGHTEN SCREW #954 SECURELY — TO TEST, UNLATCH MACHINE LOCATOR ARM AND NOTE THAT A GAP EXISTS AT X. MACHINE MAY NOW BE CONSIDERED READY TO OPERATE, AND COVER CASE CAN BE ASSEMBLED.

—IMPORTANT NOTE—

SHOULD THE CURRENT BE TEMPORARILY DISCONTINUED — AND IT IS DESIRED TO OPERATE THE MACHINE BY HAND, BE SURE TO TURN OFF THE MOTOR SWITCH BEFORE INSERTING THE HAND CRANK 6-70 — THE INSERTION OF THE HAND CRANK SERVES TO MAKE A CONTACT AT X SHOWN ABOVE.

J.M. Smith
April 15, 1927

Mr. R. W. Suddard,
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